

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/527,090  
Source: Pg 1/10  
Date Processed by STIC: 3/18/05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 03/18/2005

PATENT APPLICATION: US/10/527,090

TIME: 11:17:50

Input Set : A:\050148.txt

Output Set: N:\CRF4\03182005\J527090.raw

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3 <110> APPLICANT: AMANO ENZYME INC.
4     YUUKI, Kensuke
5     WASHIZU, Kinya
7 <120> TITLE OF INVENTION: Fungus producing transglutaminase
9 <130> FILE REFERENCE: P0201101
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/527,090
C--> 11 <141> CURRENT FILING DATE: 2005-03-10
11 <150> PRIOR APPLICATION NUMBER: JP P2002-263834
12 <151> PRIOR FILING DATE: 2002-09-10
14 <160> NUMBER OF SEQ ID NOS: 7
16 <170> SOFTWARE: PatentIn version 3.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 1224
20 <212> TYPE: DNA
21 <213> ORGANISM: Streptomyces mobaraensis
23 <220> FEATURE:
24 <221> NAME/KEY: source
25 <222> LOCATION: (1)..(1224)
26 <223> OTHER INFORMATION: transglutaminase gene
29 <400> SEQUENCE: 1
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32 ggattcatgc cgtcggcccg cgaggccgcc gccgacaatg gcgcggggga agagacgaag      120
34 tcctacgccg aaacctaccg cctcacggcg gatgacgtcg cgaacatcaa cgcgctcaac      180
36 gaaagcgctc cggccgcttc gagecgccggc ccgctcgttc gggccccga ctccgacgac      240
38 agggtcaccc ctcccgccga gccgctcgac aggatgcccg acccgtagcg tccctcgtac      300
40 ggcagggccg agacggtcgt caacaactac atacgcaagt ggcagcaggt ctacagccac      360
42 cgcgacggca ggaagcagca gatgaccgag gagcagcggg agtggctgtc ctacggctgc      420
44 gtcggtgtca cctgggtcaa ttcgggtcag tacccgacga acagactggc cttcgcgtcc      480
46 ttcgacgagg acaggttcaa gaacgagctg aagaacggca ggccccggtc cggcgagacg      540
48 cgggcggagt tcgagggccg cgtcgcgaag gagagcttcg acgaggagaa gggcttccag      600
50 cgggcgcgtg aggtggcgtc cgtcatgaac agggcccttg agaacgcca cgacgagagc      660
52 gcttacctcg acaacctcaa gaaggaactg gcgaacggca acgacgccct gcgcaacgag      720
54 gacgccggtt ccccgttcta ctggcgctg cggaacacgc cgtccttcaa ggagcggaac      780
56 ggaggcaatc acgaccgctc caggatgaag gccgtcatct actcgaagca cttctggagc      840
58 ggacaggacc ggtcgagttc ggccgacaag aggaagtacg gcgaccggga cgccttccgc      900
60 cccgccccgg gcaccggcct ggtcgacatg tcgagggaca ggaacattcc gcgcagcccc      960
62 accagccccg gtgagggatt cgtcaatttc gactacggct ggttcggcgc ccagacggaa     1020
64 gcggacgccg acaagaccgt ctggaccac ggaaatcact atcacgcgcc caatggcagc     1080
66 ctgggtgcca tgcattgcta cgagagcaag ttccgcaact ggtccgaggg ttactcggac     1140
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70 aaggtaaagc agggctggcc gtga                                     1224
73 <210> SEQ ID NO: 2
74 <211> LENGTH: 2393

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75 &lt;212&gt; TYPE: DNA

76 &lt;213&gt; ORGANISM: Streptomyces mobaraensis

78 &lt;400&gt; SEQUENCE: 2

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81 agggcgccgc cgtgccgtcc atccccgtcc gcgtcgacgc gggcggggag ggggtgcggc      120
83 ggcgccttc ggctgtgtgg acgaagcgtc gggtcggagg ggcggccgga tctcgtcctt      180
85 gggcggggtt ggcgggaatt gccgccatgg tgttgccggg gaatcgaccc gaagacatga      240
87 tcacttctcg tatccaccgc atcacgtatc cgggagtcga gaagtgttac gccgtgcccc      300
89 tgccgcgctc ctacccctg tcgcggtgac agcgaccgcg gttcttccac tcgcacggac      360
91 ggcgccacag gacctttcgg ccgcgggtcg cccgcgcgcc tcggtgacgg cctccgaata      420
93 acgcggccgc cggggcctcg gccggttgac cgatccgggt cgcgcgcgcc gccgggcggg      480
95 cggccacgtc cgggtctcgc ccgcgcgaca tcggtgacga ctgccttcgc tcgcacttct      540
97 tccgcctcc cggcgcggtt tttcgcgcgc cgaagggtgc gcgacgcgta ccgaatcccc      600
99 cttcatcgcg acgtgcttcc gcacggccgc gttcaacgat gttccacgac aaaggagttg      660
101 cagggtttcca tgcgcatacg ccggagagct ctcgtcttcg ccactatgag tgcggtgtta      720
103 tgcaccgcgc gattcatgcc gtcggccggc gaggccgcgc ccgacaatgg cgcgggggaa      780
105 gagacgaagt cctacgccga aacctaccgc ctacgcggcg atgacgtcgc gaacatcaac      840
107 gcgctcaacg aaagcgctcc ggcgcgttcg agcgccggcc cgtcgttccg ggcccccgac      900
109 tccgacgaca gggtcacccc tcccgcgcgag ccgctcgaca ggatgcccga cccgtaccgt      960
111 ccctcgtacg gcagggccga gacggtcgtc aacaactaca tacgcaagtg gcagcaggtc      1020
113 tacagccacc gcgacggcag gaagcagcag atgaccgagg agcagcggga gtggtgtcc      1080
115 tacggctgcg tcggtgtcac ctgggtcaat tcgggtcagt acccgacgaa cagactggcc      1140
117 ttgcgctcct tcgacgagga caggttcaag aacgagctga agaacggcag gccccggtcc      1200
119 ggcgagacgc gggcggagtt cgagggccgc gtcgcgaagg agagcttcga cgaggagaag      1260
121 ggcttccagc gggcgcggtg ggtggcgctc gtcatgaaca gggccctgga gaacgcccac      1320
123 cgagagagcg cttacctoga caacctcaag aaggaaactg cgaacggcaa cgacgcccgt      1380
125 gcacaacgag acgcccgttc cccgttctac tcggcgctgc ggaacacgcc gtccctcaag      1440
127 gagcggaacg gaggcaatca cgaccgcgtc aggatgaagg ccgtcatcta ctgaagcac      1500
129 ttctggagcg gccaggaccg gtcgagttcg gccgacaaga ggaagtacgg cgaccggac      1560
131 gccttccgcc ccgccccggg caccggcctg gtcgacatgt cgagggacag gaacattccg      1620
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135 cagacggaag cggacgccga caagaccgtc tggaccacag gaaatcacta tcacgcgccc      1740
137 aatggcagcc tgggtgccat gcatgtctac gagagcaagt tccgcaactg gtccgagggg      1800
139 tactcggact tcgaccgcgg agcctatgtg atcaccttca tccccaagag ctggaacacc      1860
141 gcccccgaca aggtaaagca gggctggccg tgatgtgagc ggggtggagg ggagccgggt      1920
143 gcccggtccc cctccaccct ctcccccgcc accacgaaag tcgctacagc tcgtgtcccg      1980
145 tcgtgtgtgc gacgtgcgcc gggagttcgc cctcgtggcg gtcgcccgtc gtcggggtgc      2040
147 ccgtgggttc gaacatgagg atggaggcgc ccggggagga cggttgtgt tcggtgccct      2100
149 tgggcaccac gaaggtgtcg cccttgtgca ggcgcaccgt gtgttcggt ccgtcggagt      2160
151 cgcggagcgc cagctcgaag cggcgtcca ggacgaggaa gaactcgtcg gtgtcctcgt      2220
153 ggacgtgcca gacgtgtcgc cctcgggtgt gggcgacgcg gacgtcgtag tcgttcatgc      2280
155 gggcgacgat gcgcgggctg tagacgtcgt cgaaggaggc gagggccttg gcgaggttga      2340
157 cgggctcggg gtcgttcagt gtcgagttct cggcgggagc ccgcgcggc gtc      2393

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160 &lt;210&gt; SEQ ID NO: 3

161 &lt;211&gt; LENGTH: 20

162 &lt;212&gt; TYPE: DNA

163 &lt;213&gt; ORGANISM: Artificial Sequence

165 &lt;220&gt; FEATURE:

166 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence:Primer

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168 <400> SEQUENCE: 3
169 acaccgcact catagtggcg                                20
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173 <211> LENGTH: 20
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
180 <400> SEQUENCE: 4
181 tccgtgcgag tggaagaacg                                20
184 <210> SEQ ID NO: 5
185 <211> LENGTH: 17
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
192 <400> SEQUENCE: 5
193 gacggcctcc gaataac                                  17
196 <210> SEQ ID NO: 6
197 <211> LENGTH: 18
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
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202 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
204 <400> SEQUENCE: 6
205 atgtcgaggg acaggaac                                  18
208 <210> SEQ ID NO: 7
209 <211> LENGTH: 18
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
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217 caccacgaaa gtcgctac                                  18

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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/527,090

DATE: 03/18/2005

TIME: 11:17:52

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Output Set: N:\CRF4\03182005\J527090.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date